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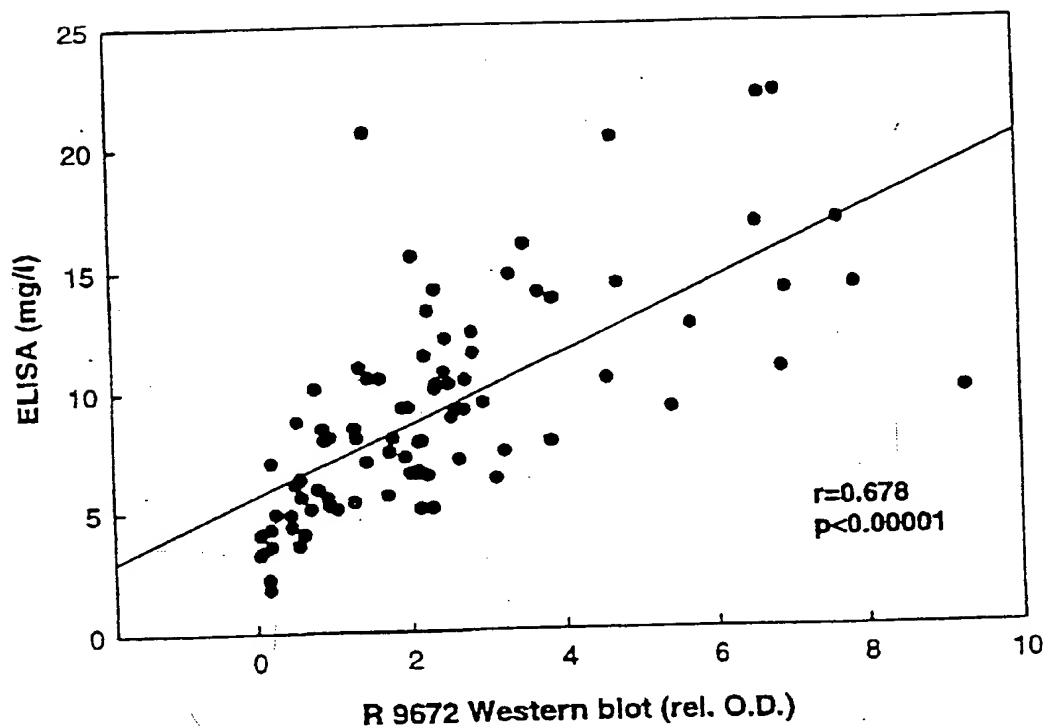
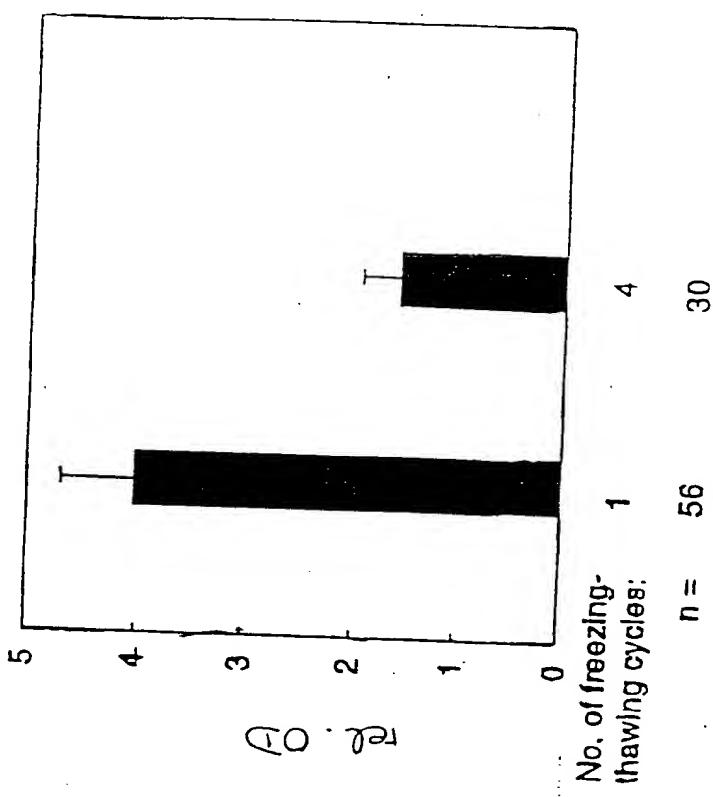


Figure 1

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B.



A.

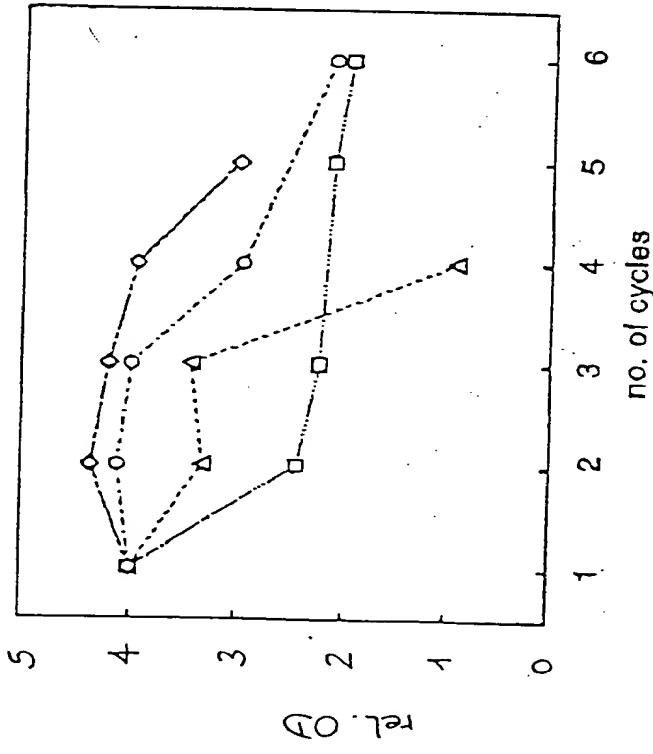


Figure 2

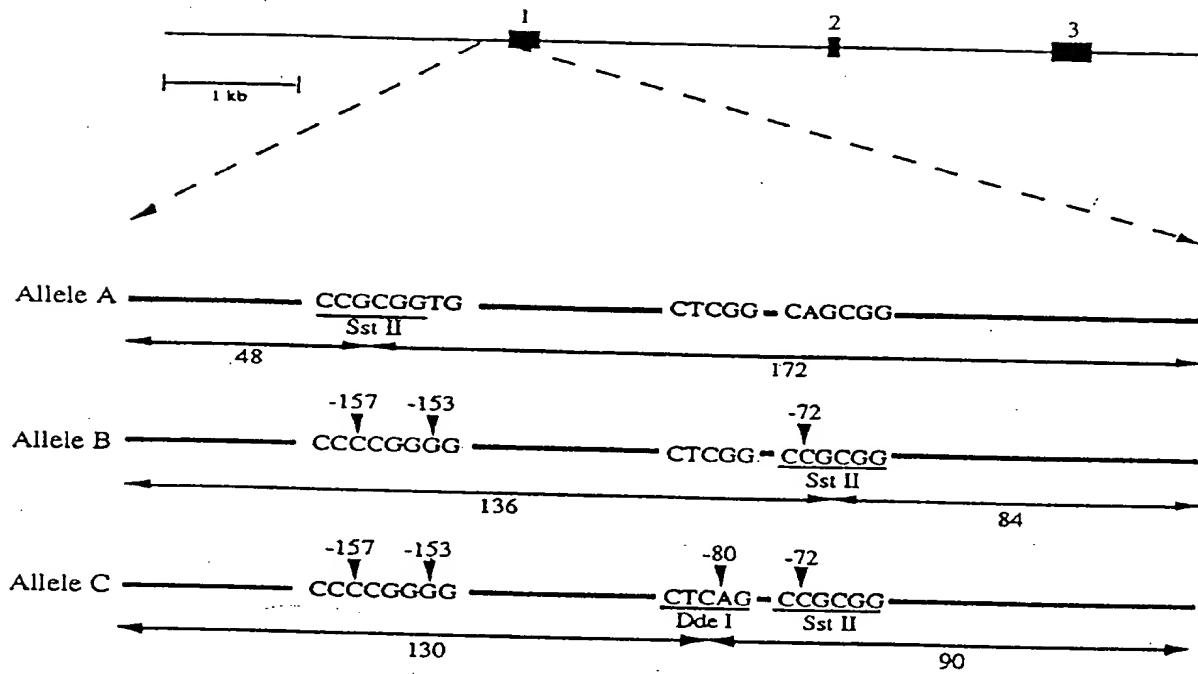


Figure 3

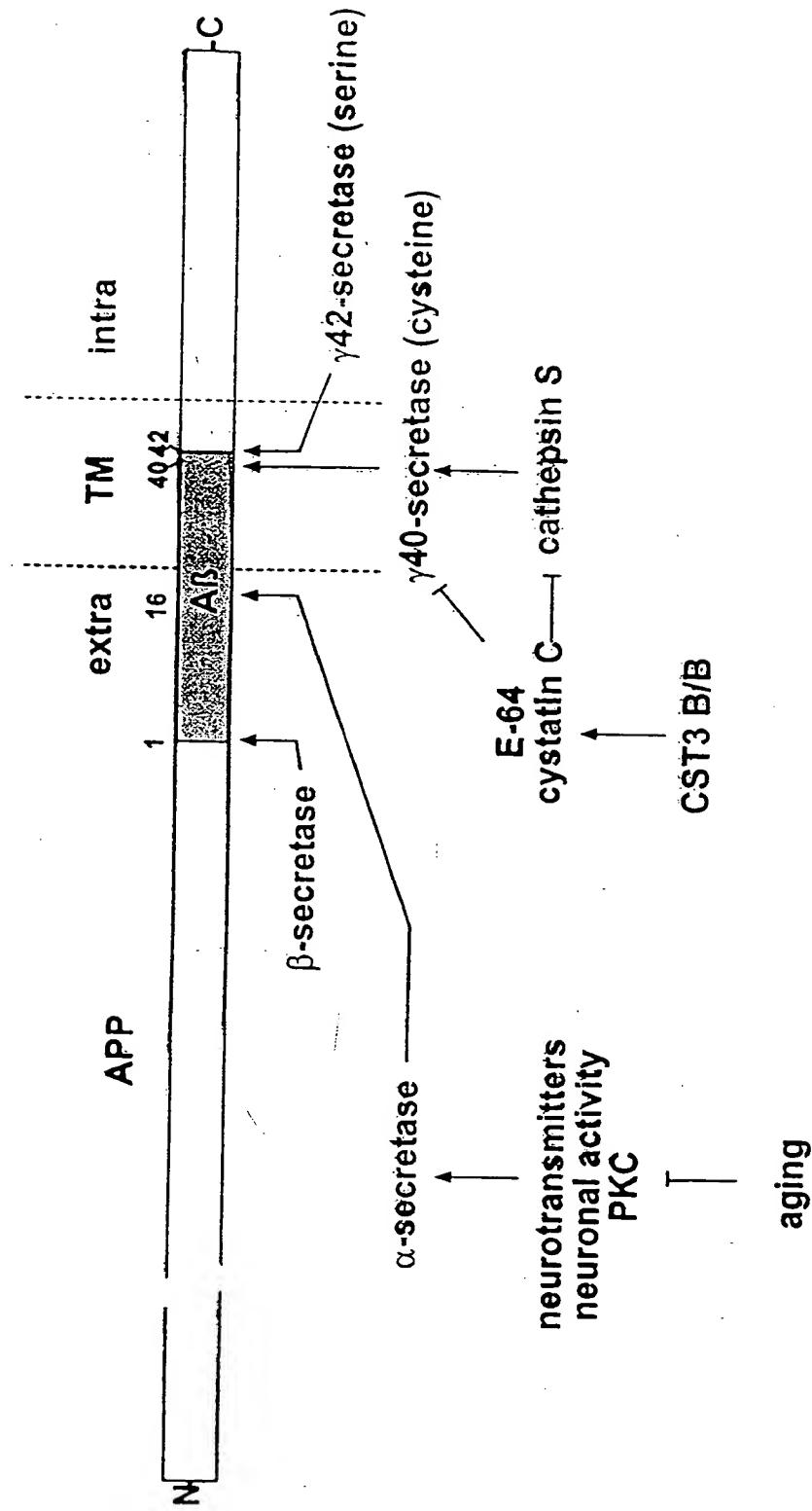


Figure 4

TABLE 1.

	ELISA			Western		
	N	(μ g/ml)	P-value	N	(rel. O.D.)	P-value
AD	53	11.25 \pm 4.43		53	3.72 \pm 3.39	
Controls combined	47	7.36 \pm 3.29	0.000003	56	1.70 \pm 1.4	0.00006
non-AD neurol. controls	30	7.95 \pm 3.18	0.00037	39	1.94 \pm 1.4	0.0059
Healthy controls	14	6.31 \pm 3.3	0.00002	17	1.03 \pm 1.16	0.0012

TABLE 2

Diagnosis	n	Mean \pm SD (μ g/ml)	ANOVA vs. NC	ANOVA vs. AD
Alzheimer's disease (AD)	57	11.0 \pm 1.20	p<0.0005	
non-AD controls combined	41	7.56 \pm 1.00	n.s.	p<0.002
Healthy controls	17	6.31 \pm 0.70		n.s.
Non-AD neurodegeneration	13	8.49 \pm 3.30		
Infectious CSN diseases	10	6.22 \pm 3.20		
Multiple sclerosis	3	5.11 \pm 0.08		
Epilepsy	4	7.01 \pm 3.32		
Psychosis	5	7.92 \pm 1.81		

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TABLE 3

	N	CST3 B allele	CST3 B/B
Control	145	0.169	0.025
AD	69	0.254	0.101
		P=0.036	P=0.0141

age-corrected	N	CST3 B allele	CST3 B/B
Control	96	0.161	0.0104
AD	69	0.254	0.101
		P=0.028	P=0.00976

TABLE 4

	allele	odds ratio	95% CI	P
	CST3 B/B	5.34	(1.34, 21.35)	0.009
age-corrected	CST3 B/B	10.7	(1.28, 89.3)	0.0074
	ApoE ε4	3.43	(1.75, 6.77)	0.0003
	CST3 B/B ApoE ε4 combined	4.54	(2.25, 9.15)	0.00001
	A2M G/G	1.37	(0.691, 2.73)	0.36
	CST3 B/B A2M G/G combined	2.57	(1.64, 6.34)	0.037

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Table 5

CST 3	N	ELISA (μ g/ml)
A/A	31	9.8 ± 4.4
A/B	19	8.1 ± 3.3
B/B	5	13.5 ± 6.0
		P = 0.032

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Table 6

Apo E	N	ELISA (μ g/ml)
ϵ 3/3	19	9.5 ± 4.4
ϵ 3/4	20	10.0 ± 4.1
ϵ 4/4	7	10.3 ± 5.7
		n.s.